

### ABSTRACT OF THE DISCLOSURE

An ultrasound cavital probe suitable for transrectal or other usage, includes an ultrasound probe, having an outer housing, a pair of motors within one end of the housing, a first shaft operatively associated with one of the motors to provide longitudinal movement to the ultrasound transducer, while a second shaft operatively associated with the second motor, and which extends through the hollow interior of the first said shaft, provides for pivotal or rotary movement to the ultrasound transducer and probe, to furnish a 2-dimensional view of the surrounding anatomy, and which in combination with the movement from the first shaft, furnishes a 3-dimensional volumetric scan of the surrounding anatomy, along with facilitating the image plane movements normally obtained by a standard probe while used in a stepping device.